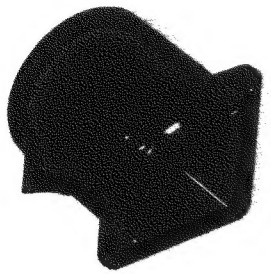
HB 步進電機

57BYG
STEPPING MOTOR

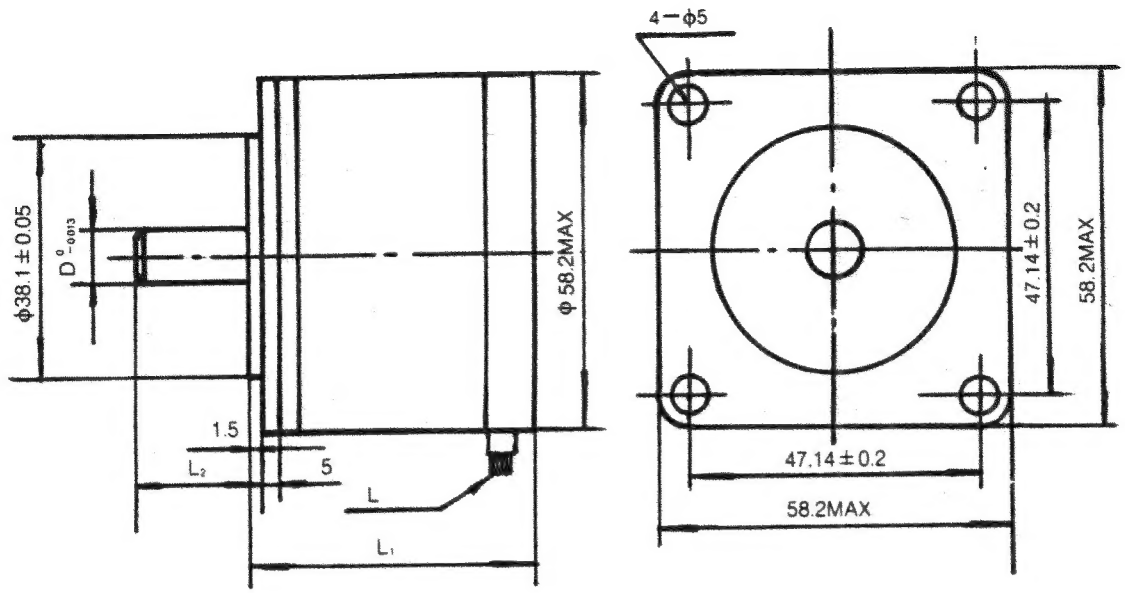


步距角 Step Angle ——— 0.9/1.8 Deg
絕緣電阻 Insulation Resistance ——— 500V DC 100MΩ Min
軸向間隙 End Play ——— 0.1~0.3mm
徑向跳動 Radial Play ——— 0.02mm Max
溫升 Temperature Rise ——— 75K Max
絕緣強度 Dielectric Strength ——— 500V 50Hz 1 Minute ~ 950V 50Hz 1 Minute
環境溫度 Ambient Temperature ——— -25~+55℃

技術數據：SPECIFICATIONS

型號	相數	電壓	電流	電阻	電感	最大靜轉矩	定位轉矩	轉子轉動慣量	重量	絕緣等級	引線規格	接線圖
Model	No. of Phase	Voltage	Current	Resistance	Inductance	Holding Torque	Detent Torque	Rotor Inertia	Weight	Insutation Class	Leads	Wdg
單位		V	A	Ω	mH	N.cm	N.cm	g.cm²	kg			
57BYG007	4	12	0.38	32	30	29.4	3.33	60	0.45	B	FF46-1	a
57BYG007-4	4	12	0.38	32	30	34.3	5.88	118	0.6	B	AWG26 UL1007	a
57BYG008	4	4	1.3	3.1	4.4	49	5.88	118	0.6	B	FF46-1	a
57BYG009	4	4	2.4	2.4	1	58.8	7.06	145	0.65	B	FF46-1	a
57BYG027	4	4	1.4	2.5	3.5	51.94	5.88	118	0.6	B	AWG22	
57BYG055	4	4	1.1	3.6	3	29.4	3.33	60	0.45	B	FF46-1 0.2mm²	a
57BYG056	4	2.3	1.5	1.5	1.3	29.4	3.33	60	0.45	B	FF46-1 0.2mm²	a
57BYG057	4	1.4	3.8	0.37	0.45	49	5.88	118	0.6	B	FF46-1 0.2mm²	b
57BYG059	4	4	1.6	2.5	3.5	58.8	7.06	145	0.65	B	AWG24 UL1430	c
57BYG060	2	2.6	2	1.3	3	61.74	5.88	118	0.6	B	AWG22 UL3266	b
57BYG061	2	6	0.5	12	24	3.33	3.33	60	0.45	B	AWG26 UL1007	e
57BYG066	4	6	0.85	7.1	9	41.16	5.88	118	0.6	B	FF46-1 0.2mm²	a
57BYG069	4	6	1.2	5	8	58.8	7.06	145	0.65	B	FF46-1 0.2mm²	a
57BYG070	4	5.4	1.5	3.6	6	88.2	9.8	230	1	B	FF46-1 0.2mm²	a
57BYG084	4	12	0.6	20	22	58.8	7.06	145	0.65	B	AWG26 UL1007	a
57BYG085	2	12	0.38	32	62	35.28	3.33	60	0.45	B	AWG26 UL1007	f
57BYG085-1	2	14	0.34	41	70	35.28	3.33	60	0.45	B	AWG26 UL1007	f
57BYG106	2	8.4	0.7	12	30	68.6	7.06	145	0.65	B	AWG26 UL1007	e
57BYG401	2	24	0.38	64	120	34.3	3.33	60	0.45	B	內藏式	接插式
57BYG501	4	2.3	2.3	1.0	2	49	5.88	118	0.6	B	AWGA24* UL1007	g
57BYG601	4	2.25	2.25	1.0	2	58.8	7.06	145	0.65	B	AWGA24* UL1001	g
57BYG602	4	4.2	1.5	2.6	5	58.8	7.06	145	0.65	B	AWGA22* UL3266	h
57BYG701	4	3.36	2.0	1.68	2	88.2	9.8	230	1	B	AWGA24* UL1007	g

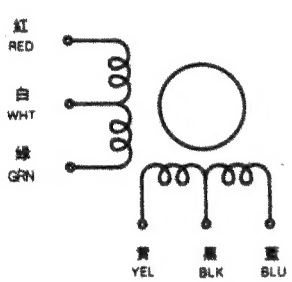
外型圖Figure



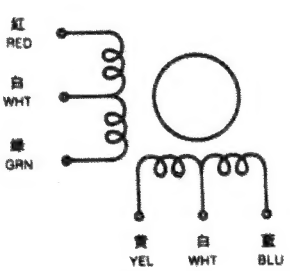
技術數據：SPECIFICATIONS

型號 / 參數	007	007-04	008	009	027	055	056	057	059	060	061	066	069	070	084	085	085-01	106	401	501	601	602	701
L(mm)	320	300	320	320	300	400	400	400	300	300	1500	400	400	300	300	300	300	1500	500	500	500	200	500
L1(mm)	41	51	51	57	51	41	41	51	56	51	41	51	56	76	56	41	41	56	41	51	56	56	76
L2(mm)	21	21	21	21	22	21	21	21	25.4	20	21	21	21	21	21	21	21	21	21	21	21	21	21
D(mm)	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.38 -0.013 -0.028	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.38 -0.010 -0.035	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35

接綫圖 Wiring Diagram



wdg. a



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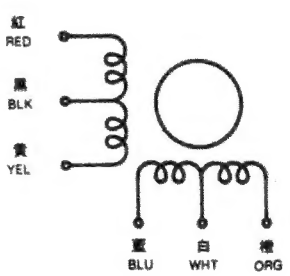

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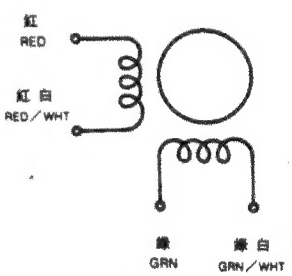

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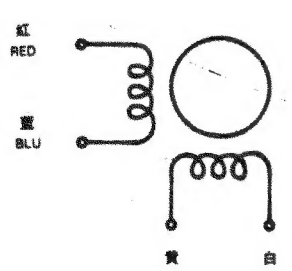

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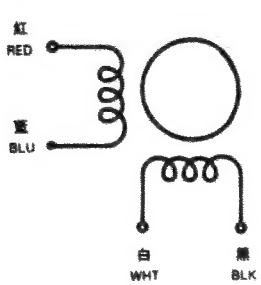

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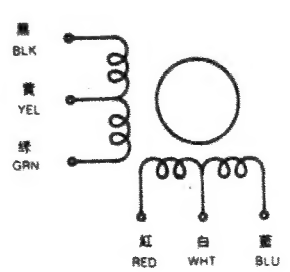

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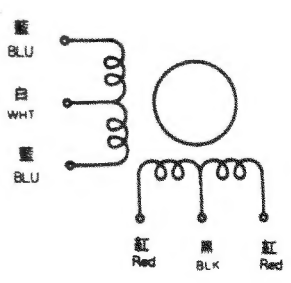
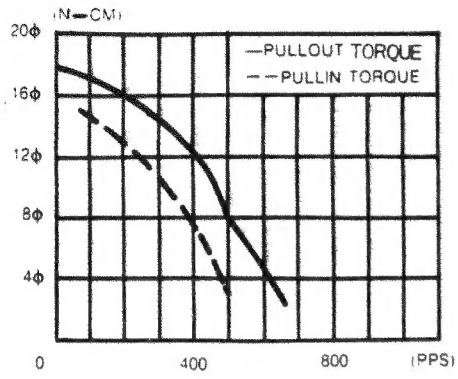


wdg. h

矩頻特性： Pulse-torque Characteristics.

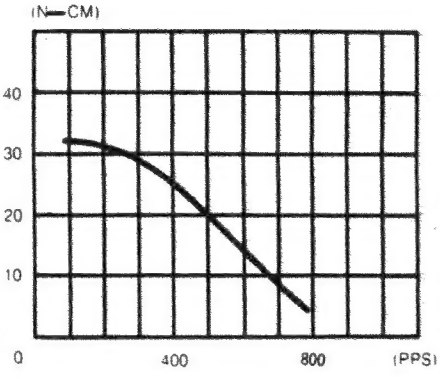
57BYG007

測試條件：BCD-1型驅動電源，電壓24伏，2φ勵磁
Testing Conditions: DC24V 2-phase excitation. using the drive type BCD-1



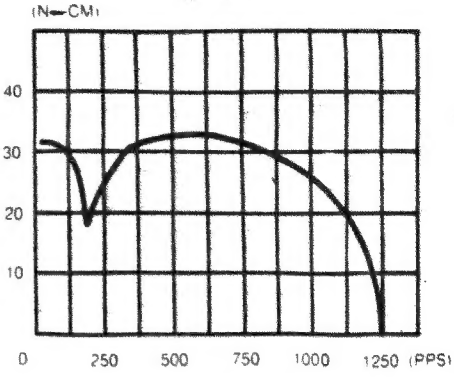
57BYG007-04

測試條件：BCD-1型驅動電源，電壓24伏，2φ勵磁
Testing Conditions: DC24V 2-phase excitation using the drive type BCD-1



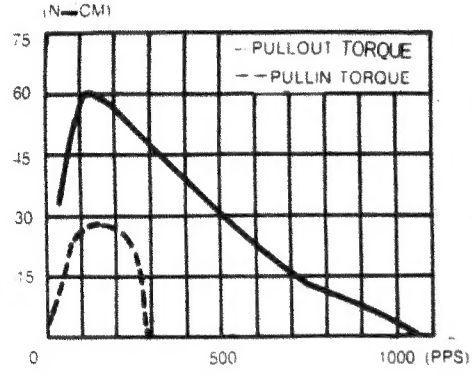
57BYG008

測試條件：BCD-1型驅動電源，電壓24伏，2φ勵磁
Testing Conditions: DC24V 2-phase excitation, using the drive type BCD-1



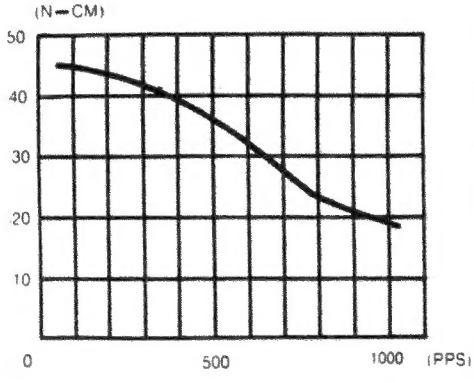
57BYG009

測試條件：BCD-1驅動電源，電壓24伏1-2φ勵磁
Testing Conditions: DC24V 1-2phase excitation. using the drive type BCD-1



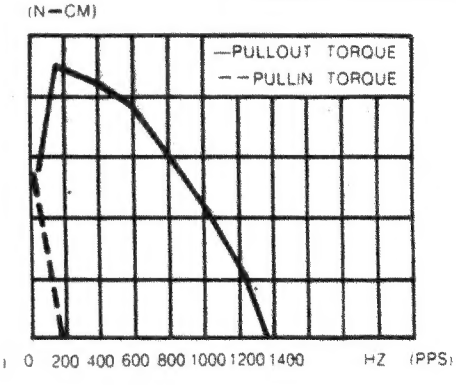
57BYG027

測試條件：恒壓驅動，電壓直流24伏，2φ勵磁
Testing Conditions: DC24V 2-phase excitation constant voltage drive



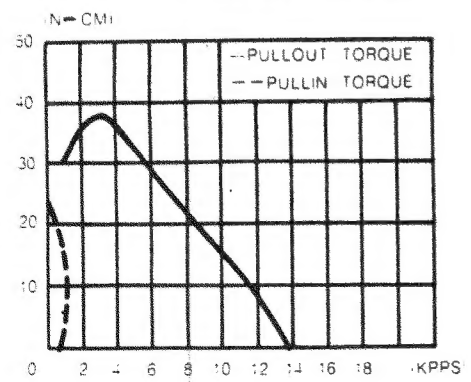
57BYG055

測試條件：單極性、恒流驅動、電壓140伏DC、電流1.1安/相
Testing Conditions: Uni-polar constant current drive
U=140VDC I=1.1A/phase



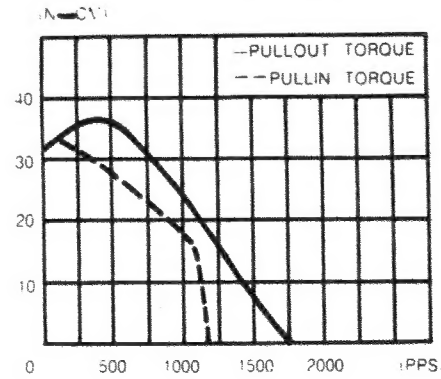
57BYG056

測試條件：單極性、恒流驅動、電壓30伏DC、電流1.5安/相
Testing Conditions: Uni-polar constant current drive
U=30VDC I=1.5A/phase



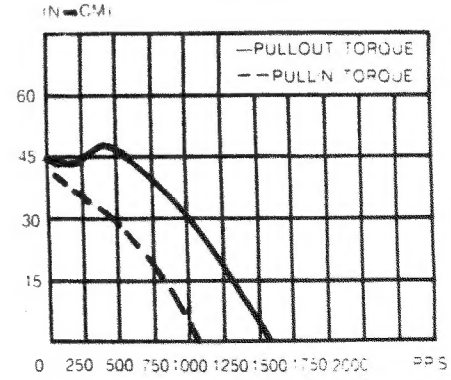
57BYG057

測試條件：單極性、恒壓驅動、電壓24伏、電阻19歐、2φ勵磁
Testing Conditions: Uni-polar, 2-phase excitation constant voltage drive
Ucc=24V Rx=19Ω



57BYG059

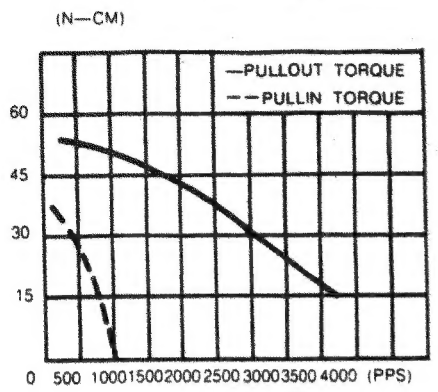
測試條件：單極性、單極性、恒壓驅動、電壓24伏，2相勵磁
Testing Conditions: Uni-polar, 2-phase excitation constant voltage drive
Ucc=24V



57BYG060

測試條件：雙極性、恒流驅動、電壓35伏、電流2安/相，2相勵磁

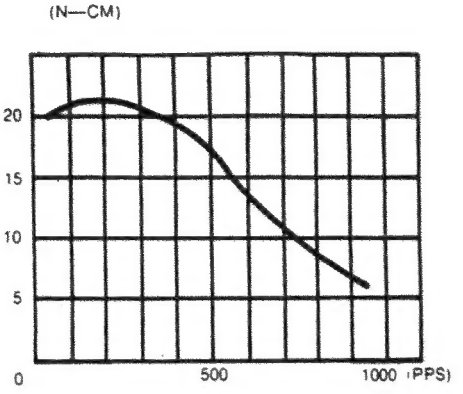
Testing Conditions: Bi-polar constant current drive U=35V I=2A/phase
2-phase on excitation



57BYG061

測試條件：24伏恒壓、0.5安/相

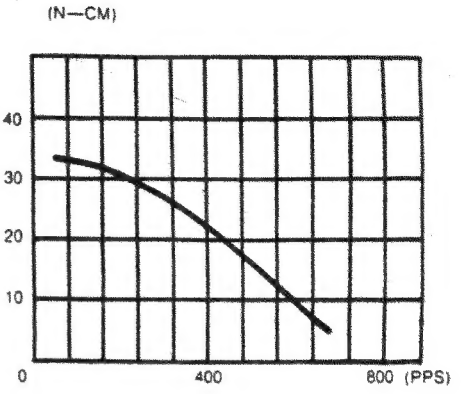
Testing Conditions: U=24V I=0.5A/phase



57BYG066

測試條件：24伏恒壓 2φ勵磁

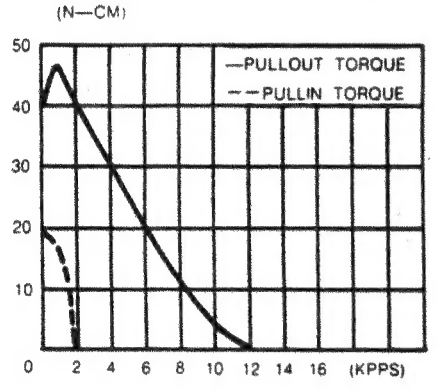
Testing Conditions: DC24V 2-phase excitation



57BYG069

測試條件：單極性、恒流驅動、電壓40伏、電流1.2安/相

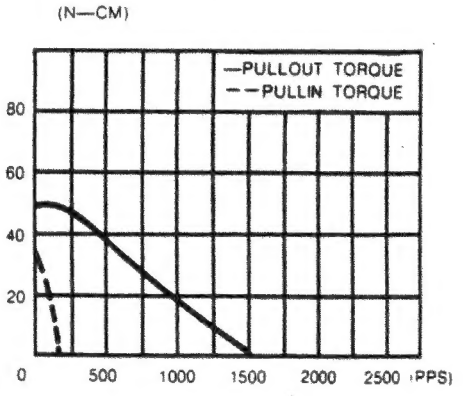
Testing Conditions: Uni-polar constant current drive
U=40V I=1.2A/phase



57BYG070

測試條件：單極性、恒流驅動、電壓40伏、電流1.5安/相

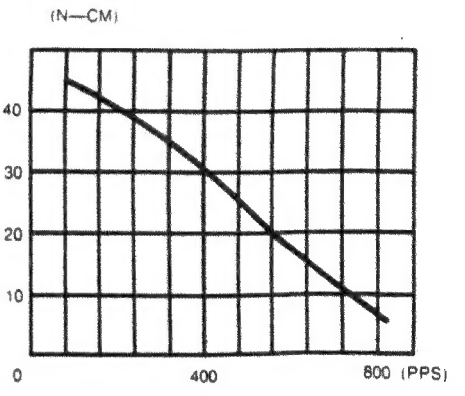
Testing Conditions: Uni-polar constant current drive
U=40V I=1.5A/phase



57BYG084

測試條件：恒壓驅動，電壓直流24伏，2φ勵磁

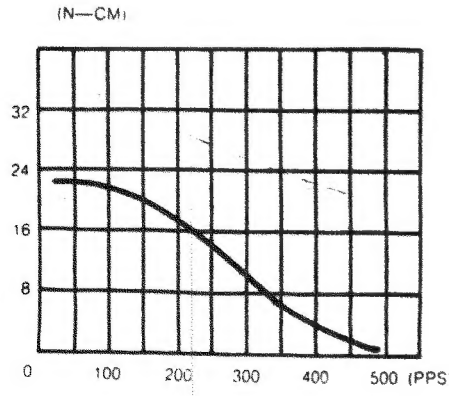
Testing Conditions: DC24V 2-phase excitation
constant voltage drive



57BYG085

測試條件：TOKMAS驅動電源，電壓直流24伏，2φ勵磁

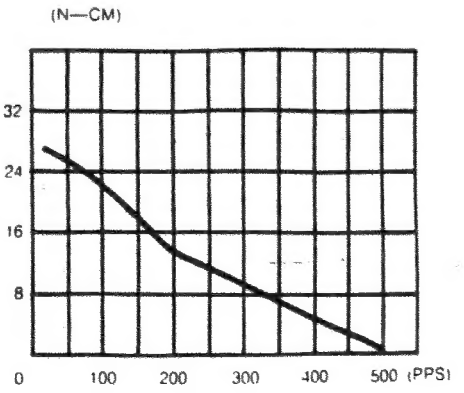
Testing Conditions: DC24V. two phase excitation. using the TOKMAS drive



57BYG085-1

測試條件：TOKMAS驅動電源，電壓直流14伏 2φ勵磁

Testing Conditions: DC14V. two phase excitation. using the TOKMAS drive



57BYG106

測試條件：24伏恒壓 0.5安/相

Testing Conditions: DC24V 0.5A/phase